



A sliding material made from polyester elastomer mixed with a special filler. This material is made by adding a special filler to extremely flexible polyester elastomer. Demonstrates suitable performance for a wide range of applications, including office automation equipment, textile machinery, automotive parts, conveyor equipment, and food packaging equipment.

Features

1. Offers a low coefficient of friction.
2. Suitable for use with soft axle materials.
3. Offers extremely high flexibility, suitable for use in countermeasures for percussive noise.
4. Offers superior absorption of contamination.
5. Suitable for injection molding of complex shapes.



Material : DHR01

Polyester elastomer mixed with a special filler

Material Characteristics (typical values)

Specific gravity	Tensile strength (MPa)	Elongation (%)	Hardness (Shore D-scale)	Coefficient of expansion ($\times 10^{-5}/^{\circ}\text{C}$)
1.28 – 1.36	20 or more	100 or more	65 – 73	20

Sliding Characteristics (typical values)

Material properties	Coefficient of friction (μ)	Maximum permissible load (MPa)	Maximum permissible speed (m/min)	Operating temperature range ($^{\circ}\text{C}$)
DHR01	0.1 – 0.3	4.9	15	-40 – 60

Dimensional range

Injection-molded bearings can be made to a wide variety of complex shapes.